

# **MULTIPOINT LUMP HOMOGENIZING OPTICAL SYSTEM**

## **ABSTRACT OF THE DISCLOSURE**

When a Gaussian power distribution laser beam is converted into a uniform power density beam by a converging homogenizing DOE and is divided into a plurality of  
5 homogenized beams by a diverging DOE, the power of the separated beam spatially fluctuates. For alleviating the power fluctuation of the beams, an aperture mask having a window wider than a section of the homogenized beam but narrower than a noise region at a focus of the converging homogenizer DOE. Since a homogenized beam can pass the aperture mask as a whole, the power fluctuation, in particular, near edges is reduced.